

TROUBLESHOOTING

Malfunction	Cause	Remedy
The load will not work	• wrong light-control setting selected	• Adjust setting
	• load faulty	• Change load
	• mains switch OFF	• Switch ON
The load work always	• continuous movement in the detection zone	• check zone setting
The load work without any identifiable movement	• the sensor not mounted for detecting movement reliably	• securely mount enclosure
	• movement occurred, but not identified by the sensor(movement behind wall, movement of a small object in immediate lamp vicinity etc.)	• Check zone setting
The load will not work despite movement	• rapid movements are being suppressed to minimize malfunctioning or the detection zone you have set is too small	• Check zone setting



The following situation will lead to misoperation

1. Being installed in the rocking object will lead to misoperation.
2. The shaking curtain which is blown by wind will lead to misoperation, please select the suitable installed place.
3. Being installed in the place where the traffic is busy will lead to misoperation.
4. It will lead to misoperation when there are sparks produced by some equipment nearby.

The detection distance may multiply for the reflection on microwave electromagnetic field by the metal or glass materials. Thus, lower the sensitivity to reach the appropriate detection distance. Never turn the SENS knob to the maximum value to avoid error detection. Also the surrounding environment will lead to error action, e.g. the automobiles passing by or the wandering objects caused by the wind. Products should be installed more than 4 meters one from the other, otherwise the interference among them will cause error action.

The proper use of trimming potentiometer: the trimming potentiometer is used to adjust the time that sensor light turn on when detects somebody movement and turn off automatically. The user can adjust the light time according to different needs. In order to carry out the saving-energy effectively, we suggest that we should decrease the close time automatically. In addition, due to the continuous sensor function of the microwave sensor lamp, simply speaking: Timer will time renewedly so as sensor lamp has any induction. Lamp will keep open once detected movement within the detection range.

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles. When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.

This instruction, without our permission, should not be copied for any other purposes.

Light-control setting

L1 L2 L3 L4

The chosen light response threshold can be infinitely from approx. 10-2000 lux, pull switch to the ON position as "1", pull switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:

1	1	1	1
0	0	0	0
L1	L2	L3	L4

L1	L2	L3	L4	ILLUMINANCE
0	0	0	0	≤10LUX
1	0	0	0	25LUX
0	1	0	0	50LUX
0	0	1	0	150LUX
0	0	0	1	2000LUX

Detection range setting

S1 S2 S3

Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 2.5m, pull switch to the ON position as "1", pull switch to the OFF position as "0", switch location and detection range of the

1	1	1
0	0	0
S1	S2	S3

S1	S2	S3	DETECTION RANGE
1	0	0	1m
1	1	0	3m
0	0	1	5m
1	0	1	8m
1	1	1	12m

Settling time setting

S4

The settling time is the time that the light remains on before entering the normal detection condition, pull switch to the ON position as "1", pull switch to the OFF position as "0", the position of the switch and corresponding time shown as the right chart:

1
0
S4

S4	TIME
1	1min
0	12sec

Time setting

S5 S6 S7 S8

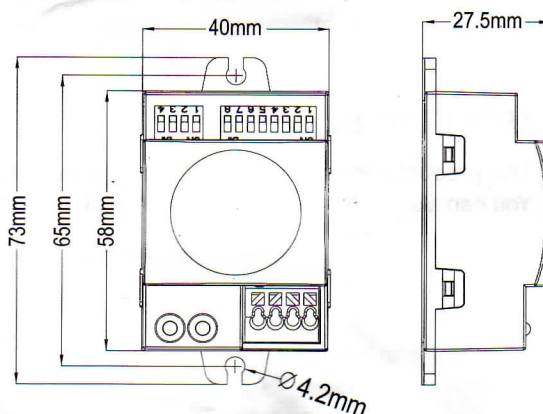
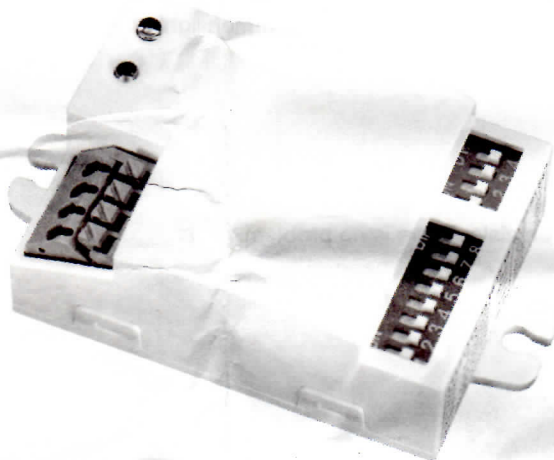
The light can be set to stay ON for any period of time between approx. 8sec and a maximum of 30 min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Pull switch to the ON position as "1", pull switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:

1	1	1	1
0	0	0	0
S5	S6	S7	S8

S5	S6	S7	S8	TIME
0	0	0	0	8sec
0	0	0	1	30sec
0	0	1	0	90sec
0	1	0	0	6min
1	0	0	0	20min
1	1	1	1	30min

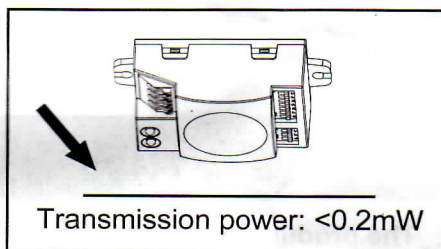
REGENT MICROWAVE SENSOR

CODE REF: MW-SEN01



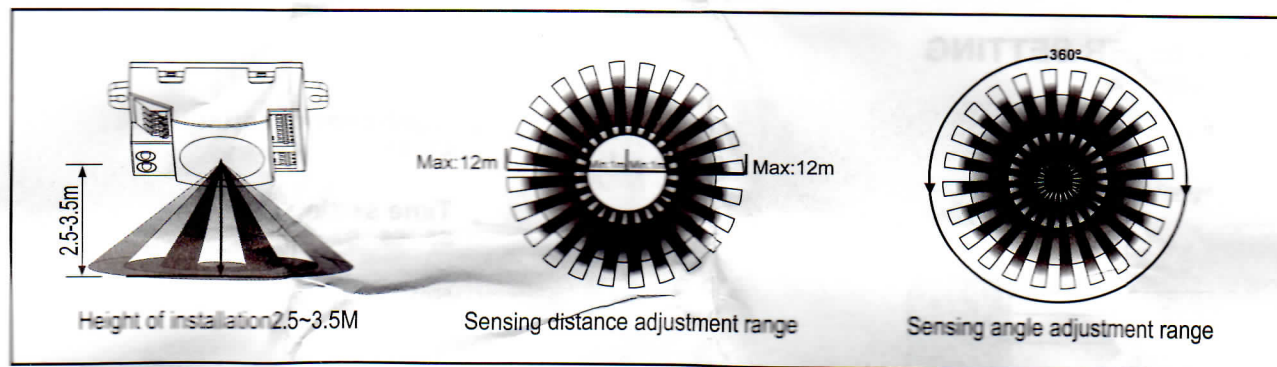
SPECIFICATIONS

Power source:	220-240V/AC
Power frequency:	50Hz
Rated load:	500W Max. tungsten $\cos\phi=1$ 200W Max. fluorescent $\cos\phi=0.5$
HF system:	5.8GHz CW radar, ISM band
Installation sit:	Ceiling mounting, Wall installation
Transmission power:	<0.2mW
Detection angle:	360°(Ceiling installation) 180°(wall installation)
Detection range:	1-12m(radii.) (adjustable)
Time setting:	8sec/30sec/90sec/6min/20min/30min (adjustable)
Light-control:	10LUX/25LUX/50LUX/150LUX/2000LUX (adjustable)
Standby power:	Approx. 0.5W



NOTE:
the high-frequency output of this sensor is <0.2mW- that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven.

SENSOR INFORMATION



UTILIZING FIELD AND INTRODUCTION

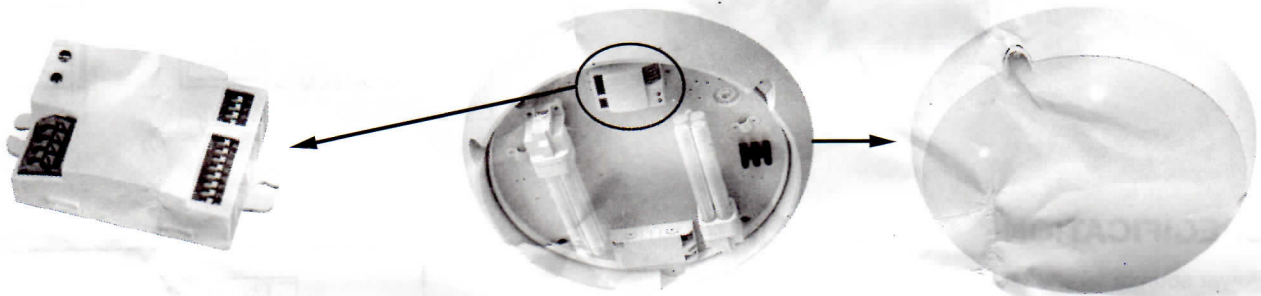
MW-SEN01 is a moving object sensor that can detect range of 360° and it's working frequency is 5.8G. The advantage of this product is stable working state (stable working temperature: -10°C~+80°C), MW-SEN01 adopts a microwave sensor (high-frequency output <0.2mW), so that it is safe and performs better than infrared sensor.

It can be installed inside of product that is made of glass and plastic because that these materials make little effect to microwave. Connect the product as shows below; you can change a common light to an automatic light.

UTILIZED IN CEILING LIGHT

This product can be utilized in more fields than the above examples.

You can also install a MW-SEN01 in the ceiling directly to control an aisle. There is no problem.



NON-METAL MATERIAL

when the sensor is installed inside the ceiling floor, the sensitivity to light will be invalid.

This product will be faithfully waiting for you. It will turn on the light automatically when you pass by, and turn off the light automatically when you leave off. You can set the closing delay time to meet your needs. For example, you may adjust the TIME sliding controller to select the delay time 12sec~30min when you think you will come back in 10mins. The TIME sliding controller is as follow (Keep away from the detecting zone after adjusting the testing time or that the detecting time will be inaccurate when any moving object is detected again by the product).

PARAMETER SETTING

